

**USDA/OCE World Agricultural Outlook Board
Stoneville Field Office
and
Mississippi State University Delta Research and Extension Center
Summary of Agricultural Weather Observations* - 2005**

AIR TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Average Maximum	56.5	57.5	63.9	76.1	83.0	89.7	91.2	95.1	91.3	78.5	70.2	54.1	75.6
Average Minimum	39.4	41.5	43.0	53.5	61.1	69.2	73.0	72.9	67.5	51.5	44.9	32.7	54.2
Departure of Mean From Normal**	6.4	3.1	-1.4	1.1	-0.6	-0.3	-0.4	3.0	4.5	0.7	4.1	-1.5	1.6
Highest Temperature	74.0	74.0	82.0	88.0	96.0	95.0	98.0	103.0	100.0	91.0	87.0	78.0	103.0
Lowest Temperature	21.0	32.0	33.0	42.0	46.0	62.0	67.0	69.0	52.0	33.0	30.0	23.0	21.0
SOIL TEMPERATURE AVERAGES													
2 inch maximum	57.6	59.6	66.9	84.0	93.3	102.0	101.0	104.0	97.2	86.7	71.3	54.6	81.5
2 inch minimum	44.3	45.2	47.3	58.8	67.1	77.2	79.0	81.2	75.4	61.6	50.9	38.2	60.5
4 inch maximum	54.4	55.9	62.3	77.0	86.4	93.9	94.2	97.9	91.5	81.3	67.0	51.5	76.1
4 inch minimum	47.7	48.5	51.2	62.7	71.2	79.7	81.3	83.6	78.3	66.6	55.8	43.0	64.1
8 inch maximum	53.0	53.5	57.8	70.3	79.3	86.9	88.5	91.5	86.2	76.4	63.2	49.7	71.3
8 inch minimum	49.9	50.5	53.4	65.2	73.6	81.6	83.6	86.4	81.4	71.7	59.8	46.5	67.0
20 inch observation	53.7	53.5	55.8	65.7	73.9	81.3	84.3	86.8	83.3	75.8	64.8	52.9	69.3
TOTAL PRECIPITATION (inches)	4.13	3.25	3.01	4.53	2.11	0.73	4.19	4.98	7.03	0.00	2.10	3.76	39.82
DEPARTURE FROM 30 YR AVERAGE**	-1.29	-1.21	-2.62	-0.91	-3.14	-3.29	0.33	2.93	3.84	-3.32	-3.10	-1.69	-13.47
AVG SOLAR RADIATION (langleys/day)	198	208	360	504	550	574	488	521	450	412	291	224	398
TOTAL EVAPORATION (inches)	0.00	0.00	0.00	7.47	8.16	8.28	7.16	7.66	6.28	5.54	0.28	0.00	50.83
TOTAL WIND RUN AT EVAP PAN (miles)	2749	1834	2307	2146	1487	1174	1105	1111	1259	1224	1990	1893	20279
RELATIVE HUMIDITY													
Average Maximum	92	93	90	86	87	90	92	91	93	92	90	94	91
Average Minimum	60	60	44	35	34	43	51	41	38	34	36	48	44

LAST SPRING FREEZE/AIR TEMP <=32, FEB 25 - FIRST FALL FREEZE/AIR TEMP <=32, NOV 17 - GROWING SEASON 265 DAYS, NORMAL 225 DAYS

NEW HIGH TEMP RECORDS WERE SET ON MAY 12 (91° F), MAY 25 (96° F), AUG 22 (103° F), SEP 19 (98° F), SEP 20 (99° F), SEP 21 (100° F), SEP 22 (99° F), OCT 19 (90° F) NOV 7 (82° F), NOV 8 (87° F), & NOV 9 (85° F); A NEW LOW TEMP RECORD WAS SET APR 24 (42° F).

ADDITIONAL INFO: 9th WETTEST AUGUST & 6th WETTEST SEPTEMBER. DRIEST MONTHS INCLUDED 6th DRIEST JUNE, TIED 1st DRIEST OCTOBER & 10th DRIEST NOVEMBER

*BASED ON DATA FROM THE NATIONAL WEATHER SERVICE COOPERATIVE OBSERVING STATION LOCATED IN STONEVILLE, MS

**Monthly normals were based on the period of record from 1971-2000 and were obtained from NOAA/NESDIS/NCDC